

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: KC5IJD@aol.com
Subject: Re: ... Any Clegg BA Interest?
Message-ID: <951225152938_98939891@emout04.mail.aol.com>

I have a Clegg Apollo 700 6 meter amp which will be restored one of these days. Would like to find a Venus but I may just use it with my Poly Comm 6.

Merry Christmas

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@aol.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: EKnobloch@aol.com
Subject: Re: 1115 volts on a 6146 ?!?!?!?
Message-ID: <951225173535_98985679@emout04.mail.aol.com>

> francis4@applelink.apple.com reports 1115V on the plates of his 6146's in a Hallicrafters HT-32A. He sees that the plate transformer was changed. He wonders what the correct voltage should be.

Well, assuming that the replacement transformer has the same secondary voltages as the original, it is possible that your HV choke is shorted or bypassed. If it were shorted, you would then no longer have a choke input filter, but merely a capacitor across the rectifier tube output. The DC voltage to your finals would then be almost the peak value of the pulsating dc produced by the rectifier tube. A correct power transformer could produce the degree of overvoltage you report if the HV choke is shorted.

My HT-32B has a final plate voltage of about 840VDC, using solid state diodes in place of the 5R4 rectifier. I think that if the original 5R4 was installed, the voltage would be closer to 820V (using 125VAC line voltage).

It would be best to meter the resting plate current of the finals, instead of just setting the grid bias for a given voltage. 6146's required grid voltage for a desired resting plate current can vary a great deal. Hallicrafters should have included a plate current meter in this rig. Your 6146's should be set up for 40 mA total resting plate current (transmit in ssb mode, no carrier, no audio), or 20 mA per tube, measured one at a time. (Unplug the tube which is not being metered, don't just disconnect the plate cap, or you

will damage the screen of the tube.) The manual, in the section about neutralization of the final amplifier, will show you where to insert the milliammeter to meter the plate current.
Danger - remember that an electric chair runs at only around 2KV. (with that pleasant thought - Merry Christmas!)

73

Ed K4PF eknobloch@aol.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: List Admin/Owner BoatAnchor Mail List <listtown@jackatak.theporch.com>
Subject: Administrivia: email addresses to list
Message-ID: <9512262004.aa14763@jackatak.theporch.com>

Gang-

There have been several messages with content like:

> Please excuse this, but evidently i have the wrong address for xxxx.
> so, Xxxx please e-mail me.

I am NOT picking on anyone here, but folks, let's us our heads!

You want to get in touch with a single person and you have a bum email address... WHY is it necessary that 800 other people know this?

What is wrong with a simple email to me, at the
listtown@jackatak.theporch.com
address?

When you do, let me know the address you are trying so we can keep the traffic levels down to a single message inquiry and a single message reply.

Sure, I am busy, and sure, I sometimes am not the fastest way to a solution, but it sure beats the daylights out of generating almost 3/4 MEGA BYTES of mail to deliver to 799 people who can't help and don't need "yet another message"[tm] in their mailbox!

Please! Keep this kind of email off the list... I'd rather try to help (I have access to ALL the email addresses and know when they change) and, I won't just indiscriminately disclose addresses either...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Owner - - -
listtown@jackatak.theporch.com-"Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: An apology to the list
Message-ID: <9512252149.aa28427@jackatak.theporch.com>

Gang-

I am sorry for a short bit of negligence on my part...

There is a BRUTALLY badly misconfigured site out there, and it has been shoveling garbage back at the BoatAnchors list because of it's own inability to distribute mail to the subscribers at that site...

The mis-configuration os terrible, and does NOT even include the "postmaster" alias that almost all (all the well-configured sites) have to handle mailer problems and address issues...

I have had to block any and all submissions from this site, which means the poor guy who is hanging out there with no mail is now cut off from the list...

I *HATE* when this becomes necessary.... it goes against my grain, as this list is for everyone, and the stupidity of a site's system administration should not be the reason a subscriber gets hosed...

There have been some horrendous mailer problems around the Net of late, so be patient and bear with us... we continue to try to work with the systems/sites involved and arrive a good working solutions.

Hope everyone enjoyed a WONDERFUL weekend, and Marvelous Christmas, Chanukah, or whatever your preference might be, Holiday. I did...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com-"Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: ic@deakin.edu.au (Ian Clark)
Subject: Re: BoatAnchors in the Movies
Message-ID: <199512252348.KAA11522@hestia.ccs.deakin.edu.au>

Hello all,

I have another sighting of 'anchors in movies. In 'White Heat' (1949 - James Cagney) one scene show the US Treasury dept. guys explaining how they can use a Halicrafters ?? (with matching speaker) to DF the signal from an 'oscillator' in a moving vehicle. Our undercover hero rigs up such a transmitter from a bedside radio (must have been a ham !)

Ian Clark VK3KRI

Ian Clark VK3KRI ic@deakin.edu.au

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: BoatAnchors in the Movies
Message-ID: <48077.ddillman@igc.apc.org>

Yet another sighting, if a mini-sighting, happened on last night's episode of Columbo (the one with James Sahtner weraing a false moustache). As Lt. Columbo is saying "Oh, just one morre thing..." we seen in the background of Shatner's office, just a bit out of focus, a D-104 microphone. I believe Shatner was supposed to be playing a famous broadcaster so I guess the set dresser figured one microphone would be a good as another, although one would have expected at least a RCA 77.

Dick Dillman
<ddillman@igc.apc.org>
San Francisco
WPE2VT N6VS ex-WA2BJK
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: EKnobloch@aol.com
Subject: Re: Collins KWS-1 Parasitic Oscillation
Message-ID: <951225194216_99032698@mail06.mail.aol.com>

> Howard Weeks K5JCP weeksh@csranet.com advised of a problem with his KWS-1

(My response may prove useful to others on the list, so I will post here instead of directly)

One problem he reported was an incomplete carrier suppresion on USB, but LSB carrier suppresion is OK.

It may be that your USB carrier crystal is off frequency. If it is putting the carrier too near the center of the mechanical filter passband, you will get incomplete carrier null in the balanced modulator. The carrier is intended to be located at about the -20dB point down on the slope of the mech filter passband. If your crystal is oscillating within the passband, you will lose that 20 dB suppression.

That description of a carrier level which decreases as you increase the carrier level pot, then increases as the pot is further increased sounds like a parasitic all right! I had a similar symptom after aligning the 250 KHz i.f. As I posted, I added an 8.2 K resistor across rfc L233 at the plate of V203, and it cleared up. Another hint is to add a 100 ohm resistor in series with the grid of V203, similar in function to the 47 ohm resistors Collins included at the grids of V201 and V202 (vhf parasitic suppression).

To measure your LSB and USB crystal frequencies, put your counter (with an oscilloscope style divide by ten probe), at pin 8 of V104B, so you don't shift the crystal frequency during measurement.

I found the easiest way to neutralize the KWS-1 driver stage was to use two 6CL6 tubes with their filament pins cut. There is a procedure using disabled 6CL6's spelled out in the KWM-2 (not KWS-1) manual. Let me know if you need more info on this.

rgds

Ed K4PF eknobloch@aol.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995

From: USSAILIS@forum.phast.umass.edu

Subject: DOD Bid lists

Message-ID: <01HZ8ISSW70Y8ZFZNT@oitvms.oit.umass.edu>

Not all dod bids are for giant size lots. I bot a fine camping trailer at the NAVAIR base in Brunswick, ME, by bid once. You need to getn on the list and check-out your local bases.

Jim, W1EQO

ussailis@forum.phast.umass.edu

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995

From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)

Subject: Free SAMS in Joplin Mo.

Message-ID: <819939029.5705703@AppleLink.Apple.COM>

This item is being cross posted from wrecked.radio.swap.
Hopefully someone near Joplin could pick these up...

-df

Subject: Sam's Photofacts - *Free*
From: sshipps@axp2.umkc.edu
From: boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: tony@bright.net
Subject: Freq Counter As Digital Display?
Message-ID: <199512262347.SAA07804@brutus.bright.net>

I've recently started using my HQ-180AC for MW dx and general amateur listening, as it's fun to tune around the bands with. Suddenly, the idea struck me - how 'bout finding a 455 kC source inside, and mating it up with the freq counter in my Drake TR-7? Instant digital display (sort of) :-)

Well, I discovered I have no manual and no experience with frequency counters. How would one go about this process? Can I indirectly couple the oscillator to the counter by means of a pickup? Which tube should I use?

I guess that's all for now. I am eagerly awaiting the guidance of the Wisemen from the list (it's the closest Christmas pun I could think up :-)).

Happy Holidays to all.

73 de N8SNC, Tony

From: boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: EKnobloch@aol.com
Subject: Re: Freq Counter As Digital Display?
Message-ID: <951226200355_24317239@emout04.mail.aol.com>

> tony@bright.net requested info on hooking his TR-7's freq counter to an HQ-180

Well, the easiest thing to do is to wrap a few turns of insulated wire around the local oscillator tube in your receiver (within its tube shield, if fitted with a shield), and connect that across the coax going to the "counter" input of your TR-7. I have an HQ-170, not a -180, and in my receiver the "HF"

local oscillator tube is a 6C4. You will have to do a little arithmetic to determine the actual frequency that you are listening to, due to the conversion scheme. The easiest thing is to set your receiver for a band edge, and record the counter frequency. Any frequency in that band would then be a given number of kc away from that counter freq. The only disadvantage to this scheme is that it's discouraging to watch yourself drift like crazy. You will never again be satisfied with your boatanchor radio after you really know how drifty it is.

73

Ed K4PF eknobloch@aol.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: Re: Freq Counter As Digital Display?
Message-ID: <AE9610149C@sbii.sb2.pdx.edu>

Hi Tony,

Well it seems to me that you want to count the local oscillators in the set. I have done what you intend, and sometimes it works just by wrapping some wire around leads in the set which have the oscillator signal on them. Of course it depends on the VFO level and the sensitivity of the counter.

Depending on the conversion scheme, you will have a more or less difficult time interpreting the counted signal. Furthermore, for some sets the VFO changes in the wrong direction.

A case in point would be the R390. You could count the pto going from 3.455 (0 kHz) to 2.455 (100 kHz) but the numbers would be backwards, i.e., the highest received frequency in the MHz segment is the lowest oscillator frequency.

There are two solutions.

(1) Use a fancy digital conversion scheme which does (a) downcounting and (b) subtraction of the appropriate offset. In this case you would subtract 3.455 and count backwards. There have been and may still be some kits and ready to go units out there which work this way. Of course you don't get the MHz.

(2) Build a mixer which is essentially the reverse of the mixing scheme used in the receiver. So you would mix the VFO with a fixed xtal oscillator and chose the correct product with a filter. This could then be fed to your conventional

counter.

Good luck,

=Randy=

Randy Zelick

Dept. Biology

Portland State University

P.O. Box 751

Portland, OR 97207

503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: cbmbest@ix.netcom.com (Ray Dennis)

Subject: Heath Lunchbox--The Tener

Message-ID: <199512261929.LAA16069@ix10.ix.netcom.com>

I've had people tell me that that don't believe that Heath made a ten meter Lunch Box, but I had one. I don't think they continued to make it as long as they did the six and two meter versions.

We had quite a bit of local ten meter activity about 1960 and several of my friends had "Teners" and some converted the Heath CB Lunchboxes to ten meters-and vis versa. The rf coils/cap setup was slightly different in the CB version and you couldn't cover the whole ten meter band at once.

Ray W0DQ

Des Moines, IA

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: penson@sci.mus.mn.us (Chuck Penson)

Subject: Re: Heath Lunchbox--The Tener

Message-ID: <v01520d01ad06183b99ef@[206.9.148.10]>

>I've had people tell me that that don't believe that Heath made a ten
>meter Lunch Box, but I had one. I don't think they continued to make
>it as long as they did the six and two meter versions.
>

You are correct that a ten meter Lunchbox was made and that it wasn't made very long. Heath made the "Tener" from 1960 to 1962. The Sixer and Twoer lived until 1971. The short production life turned the Tener into one of the rarer Heath products. I have one, and I know of two others. No doubt there are more...but not many.

Chuck Penson
WA7ZZE
A collector of Heath electronic products

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: USSAILIS@forum.phast.umass.edu
Subject: Hot chassis stuff
Message-ID: <01HZ8MKLH6BM8ZFMSZ@oitvms.oit.umass.edu>

Saw a trick in CQ in the 50s. Cut off the tab on thr AC plug that goes to the chassis. Connect a wire from the chassis to neutral. Now you can never plug it in the wrong way. -or-
use an isolation xfmr.
Jim, W1EQO

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: David Adams <dave@flowserver.stem.com>
Subject: How soon we forget
Message-ID: <9512252356.AA14829@flowserver.stem.com>

Well, as Systemix has shut down between the holidays, I opted to put some work into the shack...I'd been meaning to rplace my tangled ground wire system with something a bit neater, so I took off to OSH and picked up a nice pre-drilled copper bar to act as a ground bus.

Hooked it all up and connected all the equipment...seemed to work well.

As long as the tools were out, I decided to throw some new caps in my S-38. Did so, flipped on the rig and dialed about (bands 2 and 4 need work...bands 1 and 3 are loud and clear). I powered it off and realized I had yet to ground the rig (those of you who can see this coming please stop laughing)>

Anyway, I stripped some coax and prepped a nice copper braid...connected it to the rig and climbed under the desk to connect the braid to the ground bus (I mounted it behind and below the level of the desk to keep the three year old's hands out of the wire...

I grabbed the coax braid and (using one hand as is my practice) proceeded to mount the braid to the bolt on the ground bus...it wasn't the fabulous shock that hurt so much as the smack when my head hit the desk...ahh...
ac grounded to the chassis...I knew that...I should change that...

Argh...

Dave

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: arther.dent@smtp.prostar.com
Subject: Re:How soon we forget
Message-ID: <199512270050.SAA13208@uro.theporch.com>

DS> Well, as Systemix has shut down between the holidays, I opted to put
DS> some work into the shack...I'd been meaning to rplace my tangled
DS> ground wire system with something a bit neater, so I took off to OSH
DS> and picked up a nice pre-drilled copper bar to act as a ground bus.

as long as were on the subject of ground buses.....why spend 23 or 30
dollars on a fancy copper buss with only 4 or 5 lugs on it?????
i found a much less expensive way to do the job, and still follow
osha codes. i went down to the local hardware store and bought the type of
ground buss that goes in a 200 amp household service box. it is made of
aluminum and will accept approx 20 seperate hookups to it, as well as
accepting my half inch braided ground cable that runs to my grouound rod.
the best paqrt of this is the fact that this type of buss is not only
plentiful, but doesn't cost much either. i only spent approx. 6 bucks for
it. 73 mike KB7VNT

i transmit therefore i am.....

cc: boatanchors@theporch.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re:How soon we forget
Message-ID: <Pine.3.89.9512262019.B923-0100000@indy2>

Hi!

In re ground bussage for the station desk and/or workbench, the
"classic" fix is to use some 1/4" or 1/2" copper line--it's cheap, easy
to connect to (solder, drill and tap, or drill and use self-tapping
screws, or even those trick self-drilling sheet-metal screws), and is a
reasonable ground conductor through HF.

...Of course, right now, all I have is a run of #6 wire over from the

incoming cold-water line. I'd planned to--ahem--borrow some 3" copper strap from the scrap at the TV transmitter, but that came to a quick halt when the building was found to be contaminated: nothing leaves the place right now! Just can't see the station spending money to wash off some strap with deisel fuel & high-posphate soap for my hobby use.... <wry grin> So I'll probably be using a bit of 1/2" soft copper pipe, assuming I ever get back to the ham-radio corner of the basement. (Arrrrrgh!)

73,
--Bobbi

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: bill@texan.frco.com (William Hawkins)
Subject: Re:How soon we forget
Message-ID: <9512270415.AA28452@texan.frco.com>

Well, I thought a cold water line ought to be a pretty good ground, so I use a double throw knife switch to ground my longwire rooftop antenna during stormy weather. The downlead comes into the house at the ceiling level of the basement, runs 8' over and 3' down to the switch. There's a tap off the lead about a foot into the house that goes to a receiver in another room, maybe 6 feet. One day I used the receiver without remembering to unground the antenna. It seems that the receiver really didn't notice if the ground was switched in or not. The ohmmeter says it was. From the switch is about 6' of #14 wire to a 3/4" copper pipe, that might be 8' from where the copper pipe main enters the house. The street run is pretty far down, as you might expect for Minnesota winters.

Guess RF is stranger than I thought - or a good ground is hard to find.

Bill Hawkins

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: Dana Roode <roode2@hydra.acs.uci.edu>
Subject: HQ129 Help
Message-ID: <199512270030.AA07978@hydra.acs.uci.edu>

I've been working on a Hammarlund HQ129x that my dad came across - I don't have a manual or schematic for it and will have to find one. Meanwhile, there are a couple of things about the wiring that lead me to believe the tubes aren't in the correct sockets, anyone out there know the tube compliment of a HQ129 off the top of their heads? And/or be willing to answer a few "dumb questions" about the 129?

Dana, WA6NGO
DRoode@UCI.EDU

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: Re: HQ129 Help
Message-ID: <9512270248.AA19051@netman.ENS.TEK.COM>

Dana,
My Comm Receiver book list the tubes as the following. Perhaps
this will help for your HQ-129x

6SS7 RF
6K8 Conv
3-6SS7 IF
6H6 Det/AVC/ANL
6SJ7 BF0
6SN7 AF1/Meeter Amp
6V6 AF Amp
VR-105/OC3 Voltage Regulator
5U4 Rect

Hope that helps.

Terry
KI7M

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: BHall88620@aol.com
Subject: Interesting BA places / hamfests in Houston area?
Message-ID: <951226183433_79275505@emout04.mail.aol.com>

Hello everyone...

After six months of under-employment, I am happy to announce that I have been offered a real job. In January, I will be moving to Houston to work for Rockwell Space Ops. Co..

I was wondering if anyone could point out any good hamfests or other sources of BA's and related gear in the Houston or Eastern Texas areas?

Hope everyone had a Happy Holiday and hope everyone has a Happy New Year!

73,
Ben

BHall88620@aol.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: Smith <dws@ssd.ray.com>
Subject: Knight_Electronic_Lab_Kit
Message-ID: <199512261904.AA01783@sgfb.ssd.ray.com>

I don't know if there is anyone out there who will remember this but back in the 50's Knight-Kit offered the "12-in-1 Electronic Lab Kit". The kit consisted of a particle board base about one foot square. On the left side was a power supply and a 12K5 tube under a perforated cover. The rest of the board had three terminal strips mounted an inch or so above the board. Various electronic components were mounted between the strips. There were terminal for an antenna, mic, earphones and ground. There was a hand key in the front right corner and a volume control and variable capacitor along the front edge.

With the kit you could wire up 12 different electronic projects. As I recall you could make an AM transmitter that would broadcast a signal to the AM band, a rain gauge and morse key. Even an optical switch among other projects. I had a ball with this at the time.

Over the Xmas weekend I found the kit in my folks attic. I cannot find the book that went with it explaining how to set up the various projects. It is probably long gone. I was wondering if anyone else remembers it and if anyone has the book of which I might obtain a copy.

Happy New Year!

Dave Smith WA1UWU

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9D0))
Subject: KWM-2A alc question
Message-ID: <9512261156.AA28459@etn.com>

I am borrowing a nice clean KWM-2 (converted to 2A) with Waters rejection filter. The radio is on load for potential purchase. The RX sounds great. The TX is easy to tune and looks like it has full

power.

The only mike I have available is an Astatic T3 crystal. With the MIC GAIN up full, I can barely get the ALC meter above 1 or 2. Watching RF power output, there is a big swing and I was able to try a couple of quick contacts on 20 meters. It looks like the TX is OK.

Since this is on load, I am wondering if this is a problem with the M-2A or maybe the mike drive. I checked the tubes for the ALC and the Microphone amp. That's about all I can do at this time. I have a couple of days yet to decide. I must admit, while the rig is not cheap, it does sound nice and will be my first Collins TX (I have 2 of their RX so far).

Any thoughts?

I hope everyone had a great Holiday and will have an even better New Year.

73 de Dennis, KG9DO doonan@cordmc.dnet.etn.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995

From: Bill Meara <74537.1100@compuserve.com>

Subject: Lunchboxes (Benton Harbor)

Message-ID: <951226181147_74537.1100_EHH31-1@CompuServe.COM>

Andy: I dug up my 2 and 6 meter lunchboxes, hoping to find the Heath logo that you need. Unfortunately, both rigs have been badly disfigured by the placement of meters where the logo should be. (I swear - it wasn't me... I wasn't even born yet!) Sorry I can't help you out. Knowing how far these rigs have strayed from "museum piece" status leaves me even more prone to do something radical to them. Actually, I've been planning on converting the twoer into a 2 meter CW transmitter for use with the RS-10 and RS-15 satellites. (BAs in Space!). For more info on the lunchboxes, see Chuck Penson's (WA7ZZE) excellent article in the June 1995 Electric Radio.

73! Bill N2CQR/HI8

74537.1100@compuserve.com

Santo Domingo, Dominican Republic

Running: HT-37, 2-B, HW-101, HQ-100 (with SP-600 and SX-43 awaiting repairs)

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: robert fowle <hammarlund@voyager.net>

Subject: marc malucas

Message-ID: <199512262312.SAA13072@vixa.voyager.net>

Please excuse this, but evidently i have the wrong address for marc.

so, Marc please e-mail me.

thanks for the band width

Robert Fowle

the HAMMARLUND historian

Ph. 517-789-6721

E-mail: Hammarlund@vixa.voyager.net

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: k1zat@bah.com

Subject: Re: marc malucas

Message-ID: <Pine.SUN.3.91.951226203927.7706B-100000@booz.bah.com>

Robert --

On Tue, 26 Dec 1995, robert fowle wrote:

> Please excuse this, but evidently i have the wrong address for marc.

> so, Marc please e-mail me.

He announced a changed in email addresses about 10 days ago.

Use: melucasm@det9.vafb.af.mil

I've also been "chatting" with him on the side, he's on leave this week in the Black Hills of SD for the holidays. I dont know if he'll be checking his mail from there though.

jd

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Mic connector needed

Message-ID: <Pine.ULT.3.91.951226172207.15394A-100000@admin.aurora.edu>

Hi Folks - I have a Western Electric model 619A mic that needs a matching connector. It has 3 flat blade-type pins (I would guess) all in line. Anyone out there have one of these?

73 de Bob, K9EUI (broehrig@admin.aurora.edu)

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995

From: Robertson <zafod@ix.netcom.com>

Subject: Need Dial Glass for S-53

Message-ID: <199512262340.PAA16386@ix4.ix.netcom.com>

Due to the negligence of the USPS, I am now in need of the dial glass for a Hallicrafters S-53. Anybody got a "parts set" out there?

Lin/KJ6EF

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: "Richard L. Duell" <rduell@iac.net>
Subject: Needem's and gotem's
Message-ID: <199512261721.MAA06136@little-miami.iac.net>

I recently acquired an RCA CR88 in good shape. Receives fine below 10 MHz but falls off pretty rapidly above. I'm going to align it but do not have the schematic. Would prefer not to spend the time to puzzle it out if someone has a manual or schematic they would sell or copy. Alternately, if anyone is interested in acquiring such a beast, let me know and maybe I'll skip it. This is not something I would ship (90 lbs if it's an ounce) but would drive a reasonable distance.

I also need schematics for an HT37, an HT32B and an SX101A if anyone knows of a good source for Hallicrafters manuals. I will be putting the HT32 and SX101 back on the air soon and while they check out ok with an antenna and dummy load, I'd like to check 'em out per the manuals before I start exercising them.

For those of you who might have been looking for a B&W audio phase shift filter, I have two (model 250 type 2Q4). One appears to be NOS in the box with data sheet. The other appears to be a pull. I believe both to be ok (I slapped a VOM across them and got proper resistance reading across the two legs that were not in series with a cap). I don't what they are worth but think that \$15 sounds about right for the one in the box and \$12 for the other one. First response gets them if anyone is interested.

BTW, thanks to all of you who make this group a pleasant haven from the rude (does anybody still use that word) behavior that is so prevalent on the air and the "NET".

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: thaake@bsm2ee1.attmail.com (thaake)
Subject: RE:Needems!
Message-ID: <PMX-TERM-2.02-bsm2ee1-thaake-37>

Rich Duell

I would like the B&W Phase Shift Networks but didn't get your e-mail.

Tim
thaake@bsm2ee1.attmail.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: thaake@bsm2ee1.attmail.com (thaake)
Subject: RE:Needems!
Message-ID: <PMX-TERM-2.02-bsm2ee1-thaake-38>

Rich Duell

I would like the B&W Phase Shift Networks but didn't get your e-mail address.
Please let me know what it is plus your mail address.

Thanks,

Tim
thaake@bsm2ee1.attmail.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: Andy Howard WA4KCY <102452.362@compuserve.com>
Subject: New Vintage Radio Site on Internet
Message-ID: <951226200754_102452.362_DHT42-1@CompuServe.COM>

Hope everyone had a Merry Christmas and that all got a new boatanchor in their stocking. Spent some time over the holidays creating a vintage radio site on the Internet. For those who might be interested in looking into it the address is:

<http://ourworld.compuserve.com/homepages/sweetbay>

I will be adding more vintage radio photographs as time permits.

Thanks,

Andy, WA4KCY

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: gpewitt@execpc.com (Gary Pewitt)
Subject: R-390 Help
Message-ID: <199512270400.WAA16042@execpc.com>

I'd like to thank everyone who replied to my questions. I feel so much better knowing there are so many helpful and knowledgeable people willing to give of their time to help a newcomer to the list. I have used many of the suggestions and have called Fair radio and ordered the power cables, antenna connectors (unbalanced), speakers, and a tube hold-down. I can't wait until my manual gets here so I can really get into tweeking/tuneing this rig. I have an R-390A on it's way here and over the Christmas holiday I located a National NC-190 and a Hammarlund HQ-180A. Bliss. You've heard of the Texas rancher who was all hat and no cattle? Well I'm going to be all radios and no money for a while. I hope you all had a terrific Christmas and have a wonderful new year.

73 Gary N9ZSV

gpewitt@execpc.com N9ZSV 414-355-8147

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: gpewitt@execpc.com (Gary Pewitt)
Subject: R-390 Help Needed
Message-ID: <199512261733.LAA21745@execpc.com>

I need some information on my 390. I would RTFM but it hasn't come yet. What kind of connectors are used on the two antenna inputs? One is a threaded shell with two pins and it's marked "125 ohms balanced". The other is marked "unbalanced whip" and it looks like a BNC but it is bigger. The male bulkhead part with the two pins on the side is as big as the outer diameter of a regular female BNC. I need the nomenclature and a source. What is the impedance of the BNC like connector? What is the headphone impedance (the one on the front pannel? There is a dc fuse marked 20 amps. Can the 390 be run on dc? And if so what voltage and amperage? I thought that the 392 was the set made to run on 24 (28?) volts. I was told to use a 600 ohm speaker and that Fair radio might have some. Are the phones 600 ohms too? I was also told that on the power connector pins A and D are the ones to make a temporary hook up to. But which one is hot and which is ground and what are the other two? As you can see I am clueless. I just don't want to dammage a fine radio through ignorance. Thanks for any help.

I hope you all hade a fine Christmas and wish everyone a great new year.

73 de Gary N9ZSV

gpewitt@execpc.com N9ZSV 414-355-8147

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: dma@IslandNet.com (Jan Skirrow)
Subject: Re: R-390 Help Needed
Message-ID: <m0tUk9H-0005ZiC@island.amtsi.bc.ca>

Gary N9ZSV asks:

Maybe I can answer part of this:

>What kind of connectors are used on the two antenna inputs?

The unbalanced one is a 'C' and needs a UG-573 plug. I bought a brand new cable with one on each end from Fair Radio. They still list them for \$9. You can cut the cable and put what you need on the cut end. Then, of course, you'll need another 390 or 390A to go with the other half of the cable. The balanced one needs a UG-421 that Fair lists at \$6.50. I have a couple. They are cut off cable, and would be a %\$/\$\$ to disassemble. I stripped the cable stub back and use the bared conductors - mine isn't a demanding application!

>What is the headphone impedance (the one on the front pannel?)

It's just parallel the back panel connection.

>There is a dc fuse marked 20 amps.

This is the part of your query that got me delving into my manuals to answer your questions! I too have wondered what such a thing was doing on this radio. This fuse is connected to a pin on the power input socket. This same pin is connected to one on the remote control socket. The other side of the fuse goes to a pin on the plug that connects to the existing 110/220 power supply. It's a guess, but I would assume this provides for 24 vdc operation with a different power supply or dynamotor. The 390 filament circuits etc are wired for 24 v operation as it stands - unlike the R390A which has a 6.3vac filament supply.

Boatanchorites: Has anyone ever seen the alternate supply????

>I was told to use a 600 ohm speaker and that Fair radio might have some.

Yes they do. They also, I'm told, have 600 ohm to 8 ohm transformers (the same one that's in the 600 ohm speaker they sell). I have one of their

speakers on my 390A, but use a 500 ohm to 8 ohm Radio Shack transformer to an ordinary speaker on my 390. The second way is much cheaper.

>Are the phones 600 ohms too?

Yes

>I was also told that on the power connector pins A and D are the
>ones to make a temporary hook up to.

According to my manual, pins A and D are the 110/220 connections. There is an internal switch somewhere to select the correct voltage. Pins B and C are the ones mentioned earlier for the DC supply. C is ground. I don't know if B is + or -.

>But which one is hot and which is ground

Both A and D float off ground. Each goes through its own LC filter. If the filter caps are good, this should be fine. My 390 came with a power cable and includes a chassis ground (presumably using pin C (???) and a three prong plug. If you're doing a temp connection, you should use three wires also. Then if one of the line filter caps has gone, you'll blow a fuse rather than something more valuable.

>As you can see I am clueless.

Without a manual, we're all pretty much clueless!!! Your caution is admirable. To damage a good 390 would be a shame.

Cheers!

Jan Skirrow, VE7DJX
dma@islandnet.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: bill@texan.frco.com (William Hawkins)
Subject: Re: R-390 Help Needed
Message-ID: <9512270359.AA28435@texan.frco.com>

Glad someone else answered the detail questions. I can fill in some of the 28 VDC stuff. The 390 was originally intended to be a dual supply set. There was a dynamotor supply to be put in place of the AC supply (transformer and 26Z5's), but the Signal Corps finally removed the requirement. My set is modified to use the old 28 VDC wire to the power supply connector to take the high voltage winding center tap to a ground on the main

chassis, rather than on the power supply chassis. There is a wire on one side of the fuse, but not the other. Dunno why they would want to move the ground. An unmodified supply would work just fine. The mod in my set looks like a field mod - like the first soldering job someone ever did, covered with a lot of black tape.

Dynamotors for the R390 ought to be quite rare. I bet Collins couldn't get one quiet enough for such a sensitive receiver.

Bill Hawkins

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "ROBERT W DOWNS, WA5CAB" <103012.2130@compuserve.com>
Subject: Re: R-390 Help Needed - BA 392
Message-ID: <951227031456_103012.2130_GHU143-1@CompuServe.COM>

Phil,

The connector marked "unbalanced whip" is a type "C" (BNC and TNC are miniature "C" and "N" respectively). The balanced input connector is for twinax, such as RG-22/U. Complete AN/URM-25's and 26's have a C to BNC adaptor in the covers (UG-636/U). The type C cable connector for use with RG-8/U or RG-11/U is UG-573/U. For the balanced input (the better of the two to use, because the unbalanced input skips the primary of the input transformers), there were two balanced to unbalanced adaptors made, UG-970/U for UHF, and UG-971/U for type C. These are both right-angle adaptors. IBM also used twinax with the System 36 and probably other systems. I don't have any extras left of any of these connectors (I have two R-390's) and I cleaned Ace Electronics out of UG-573/U's about a year ago for another collector, but maybe someone else on the net has one. Some of the UG numbers may be still available for sources such as Newark, but they may cost more than hams are used to paying for connectors.

All three of the audio outputs are 600 ohm. For headphones, you can use anything from HS-33 on, although the manual calls for Navy Type CW-47907. LS-166 and LS-454 are 600 (500) ohm speakers that will work, although you'll have to change the connector. Or you can use a commercial 4 or 8 ohm speaker with a suitable matching transformer (500 ohm or 70.7 volt line to voice coil). LS-3, 7, and 203 are high-impedance input speakers and won't work well. LS-9 and 11 are low impedance and will work OK, but if anyone finds one, I want it, and will trade an LS-166 (modified if necessary), or whatever, for either.

The R-390/URR runs only on 115/230 VAC. The fuse labeled "DC 20A" isn't used in the R-390/URR. It is connected to (not in) a line that runs from pin B of J-104 (the AC power in connector) to pin D of J-105 (the remote control connector). The fuse itself goes to pin 15 of P-118 (the internal power supply connector) but isn't connected to anything in the power supply. Note 4 on the main

schematic says "Not used in R-390/URR". I haven't gone back up into the attic to get the pertinent manuals, but my guess is that it is used for something in the R-391/URR, which had a separate 24VDC supply for the autotune mechanism, and it was cheaper on the production line to make this part of both receivers the same.

Pins A and D are the AC input. Both are floating WRT chassis. Pin C is chassis ground. Pin B, as mentioned above, isn't used.

73, Robert Downs, WA5CAB
103012.2130@compuserve.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: R390 connector
Message-ID: <9512262251.AA03576@rgfn.epcc.Edu>

Gary, the overgrown bnc type connector is a type "C" connector. Most of the places that carry amphenol coax adaptors, RF Industries coax adaptors, etc will have an adaptor. I have in recent years seen them in Radio shack to convert to accept a BNC or PL259 type plug. The other is for twin-ax cable (dual center conductor coaxial cable) I have always used the unbalanced 50 ohm whip input for the past 35 years and it has worked ok. Hope this helps. Ray W5XE

--

Ray, W5XE, El Paso, Tx/V31XE, Banana Bank, Belize
QRP-ARCI, MI-QRP, NW-QRP, G-QRP, NORCAL QRP, QRP-L
af852@rgfn.epcc.edu

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Re- More R392/UUR
Message-ID: <199512260238.VAA06867@raven.cybercomm.net>

Well Fellow BoatAnchorer's...I got the R392 working...between Chris Seig's fax of a schematic to me and Robert Downs's locating the physical location of the oscillator deck and the suspect crystal (10.333.33) the radio is now working...

I sniffed around with a monitor rx and that was the only documented freq that could not be heard..I switched a 10.5 mhz crystal from another band and the radio took right off..

Now all I need to find is another 10.333.33 mhz crystal (Y418)..If anyone has an extra please let me know...I don't know if Fair Radio stocks them.

Well this is about the 3rd or 4th time the BA gang has helped me out and hopefully I'll be able to help someone too...This is the best group on the internet!!!

Thanks Again,
Merry Christmas

Steve, WA2NHZ

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: jmiller@teleteam.com (Jay H. Miller)
Subject: Santa is a Firebottle Man
Message-ID: <v01510102ad048df0fd03@[205.198.110.19]>

Well the jolly old elf surprised me a beautiful Johnson Valiant. Wonder how many years it has been since one of these babies was under a Christmas tree? One of the neatest things was that I was not expecting it- the YL was in cahoots with one of my friends who was trying to find me one anyway. Gee, what an unexpected treat!

Anyone know what type of plug/pin arrangement is used in the antenna relay socket on the back of the rig? Looks like a ceramic crystal socket. I know it is the output for 110vac to the changeover relay but wonder what you users out there do to make up a neat looking plug connection to the Dow-Key relay?

Hope your YL was as good to you as mine was to me.

Merry Merry!

Jay H. Miller, KK5IM Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
jmiller@teleteam.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: Santa is a Firebottle Man
Message-ID: <9512260200.AA00592@daffy>

Santa (brother Dave) brought me another lil' Hallicrafters
this Christmas, also -- an S-38D, grey metal cabinet.
Should look nice after a scrubbing ... hope it works as nice
as last year's S-38B does.

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: USSAILIS@forum.phast.umass.edu
Subject: Re SKN
Message-ID: <01HZ8K9PSFTE900QKX@oitvms.oit.umass.edu>

In my opinion, the best, and only key for SKN is a J-38. I add a poker
chip under the knob. Saw the mod in either CQ or Hints & Kinks during the
50s.
Jim, W1EQ0

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: SKN: Whatcha gonna use?
Message-ID: <9512260145.AA00581@daffy>

OOPS! Sorry folks, my brain hiccuped and I confusecd
the J-36 _bug_ with the J-38 _key_. Eek!

Open mouth, insert foot, QLF OM?

--Andy
wallace@mc.com
(hanging pointy head in shame.)

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Re: SKN: Whatcha gonna use?
Message-ID: <199512260254.VAA07489@raven.cybercomm.net>

Well I'll be using my Johnson Viking Adventurer, Hallicrafters

S53A, Heath AR3, Knight Ocean Hopper, Sp-600, and R392/UUR
and my J-37..also my oldie Western Electric headphones..and
a Zepp antenna with homemade ladder line..and a Johnson
275 tuner. Oh yes crystal controlled..

Merry Christmas,

Steve, WA2NHZ

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: USSAILIS@forum.phast.umass.edu
Subject: RE Sorenson Nobatron
Message-ID: <01HZ8IHR7AQQ8ZFZ9B@oitvms.oit.umass.edu>

Thought that the Nobatron was an AC regulator interconnected with a transformer.
Remember using something like that at LL back in the 60s. The Sorenson Co.
is another story tho.

Jim, W1EQO
ussailis@forum.phast.umass.edu

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: merrigan@ee.ualberta.ca (Shaun Merrigan)
Subject: To Dave Metz
Message-ID: <199512262348.RAA08650@uro.theporch.com>

Dave:

(With apologies to the list) I attempted to reply to you using a couple
of different addresses, but the mail bounced. Do you have an alternate
address? E-mail me directly.

Shaun

--

Shaun P. Merrigan
3rd Year EE University of Alberta
merrigan@nyquist.ee.ualberta.ca (Shaun Merrigan)

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: Gale Carlisle <gcarlis1@c1n.etc.bc.ca>
Subject: tube data handbooks
Message-ID: <Pine.3.89.9512252019.A18945-0100000@c1n>

Willing to phurchase the following tube data handbooks

General Electric Essential Characteristics - 1973
World Vacuum Tube Technical Manual (Vade - Mecum 6th or 9th editions)

Steve Carlisle VE7AHL

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: gcouger@master.ceat.okstate.edu
Subject: What is a BC-659-K
Message-ID: <199512261925.NAA19649@uro.theporch.com>

I traded for a BC659-K. I can tell it is a 2 channel xciver for, from the looks of the insides 30 -50 mhz. It is in very good condition with the leather handle and canvas straps being in very good shape. Unfortunatly I only have the main transmitter and reciver and not the second box that clamps to the bottom.

Can any one tell me more about it and possibly help me get a manual for it.

Thanks
Gordon AB5DG

Gordon Cougar senior software specialist
Biosystems & Agricultural Engineering. 114 AG Hall Stillwater, OK 74075
gcouger@master.ceat.okstate.edu 405 744 8392 day 625-2855 evenings

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "ROBERT W DOWNS, WA5CAB" <103012.2130@compuserve.com>
Subject: Re: Where is this list headed?...
Message-ID: <951226191003_103012.2130_GHU154-1@CompuServe.COM>

Group,

As one of the (unintentional) offenders, I apologize to any whom my comments here on either spelling or the Metric System may have offended. No insult was

intended. Having come into computers via the TTY/Commodore/CPM/MSDOS/Novell route, I tend to forget that some of the other 'routes' produced hardware and software that wasn't (and I guess still isn't) as convenient to use for 'freehand chatting'. On the other hand, the software that I'm using (DOSCIM/WINCIM), while making it very easy to reply to or edit a message, makes it very inconvenient or even difficult to CC that same message, or to include snippets from the inbound message. TANSTAAFL.

I grew up during the transition period of many of the units which have been mentioned. It really doesn't matter to me whether someone writes "pf" or "uuf", "MHz", Mc/s or "Mc" (which used to be taken to imply "/s"), or uses miles or kilometers, so long as they use it correctly. I know what they mean. There are people, however, who are truly rabid on the subject. I have one on my staff. Some of the comments that I've seen on here are appropriate in the context of marketing, but not particularly so to a group of collectors.

SI units aren't all sweetness and light, however. One problem that will eventually be of concern to the inhabitants of this net (or our descendants), concerns the ISO Metric Threaded Fastener Standard (nuts, bolts, capscrews, etc.). Common ISO Metric fasteners have finer thread pitch and smaller head sizes than the nearest corresponding USS/SAE sizes, which themselves have smaller head sizes than BSF/BW/BA. This means that disassembly of old, dirty or corroded parts is likely to be less successful because the threads are going to be more prone to jamming and corrosion damage, and the heads and tools are going to be more prone to rounding off. This is of no consequence to most of the sets that we collect today, but there's ample evidence that 'too old to use and not old enough to collect' is a variable, not a constant! I suspect that the primary driver behind the ISO thread standards was economic, not practical. I.e., make it cheap, not fixable. Caveat emptor.

There was also a disadvantage to naming/renaming all of the units which had "per/unit" in them, and that was that some equation derivations became less obvious.

73, Robert Downs, WA5CAB
103012.2130@compuserve.com

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Where my SP-600 came from..
Message-ID: <199512260634.BAA14116@raven.cybercomm.net>

Yes I remember it well...One dreary, miserable morning as I was leaving a briefing near a mud hole in Thailand (back around 1966), an MP stopped me and asked me where I wanted an open 6x6 truck loaded with R390's, Sp600's and KWM2's with their metal

carry cases taken so they could be de-militarized..They were being destroyed that afternoon..another 6x6 was parked alongside the one with the radios with satchel charges etc..I was horrified looking at all those treasures, most looking brand new..Evidently the MP confused me with someone else, because I didn't have a clue where the radios came from who was responsible for them.. Anyway (the smart ass I was at the time) I told him to take them a few clicks up the road and follow his orders, BUT (as I pointed to a new looking SP-600jx) Colonel Walsh wants this one shipped to this location in the states...Well, 3 months later I get a letter from my mom saying this giant wooden crate showed up at our front door.. with all kinds of markings on it..Yep, It was the SP-600 and I saved it's life..by the way the address I gave that MP was not Colonel Walsh's :0)

I wonder if I could have gotten away with the whole truck????

Steve, WA2NHZ

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: "Ray L. Mote" <rmote@rain.org>
Subject: WTB: MIL-HDBK-487H(?), NAVSHIPS 900,109(A), etc.
Message-ID: <Pine.SUN.3.91.951226091558.14478B-100000@coyote.rain.org>

I believe that MIL-HDBK-487H was the catalog of microphones, headsets, speakers, and other radio accessories. I'd like to find either an original or good photocopy dating back to the Fifties or Sixties.

Also still need Sections 4, 5, 6, 7, and 10 of NAVSHIPS 94200.1 from 1963. This was the Navy's Communication Equipment Directory. Also need Supplements 1 and 2 of that directory. I'm trying to work up additional files listing equipment characteristics for the BA Archives, as well as extracting tech manual numbers and contract numbers/dates for Bill Donzelli's database. 94200.2 dealt with radar, and either the .6 or .7 version dealt with countermeasures gear -- I'd be interested in those as well, for the same reasons.

Need NAVSHIPS 900,123 "NOMENCLATURE ASSIGNED TO NAVY ELECTRONIC EQUIPMENT", any version. I believe 900,123(D) was the last one before they renumbered that publication to the "0967-xxx-xxxx" format.

73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Tue Dec 26 13:17:25 1995
From: Lrware@aol.com
Subject: WTB: B&K tube tester manuals
Message-ID: <951225173553_98985759@emout05.mail.aol.com>

Hi Folks;

A fellow BA'er has kindly shipped me two B&K transconductance tube testers. One is a model 707, the other a model 747. I have the tube setup charts for both but would like the operating and service manuals. Both were well used, ie a little beat up, and the 747 is DOA. (I can't complain, the price was right, and condition was clearly stated.) So now I have two more projects :-)
Both units have functional power supplies, (A good sign because the special transformers would be impossible to find) and the 707 seems to work OK. Both also have ten-twelve pots inside that set who knows what? Anyway, if anyone has docs they would be willing to sell copies of I believe I can get these two old workhorses going again.
Merry Christmas to all my BA friends and familys...

-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "Lowe Technical Services, USA" <loweusa@exis.net>
Subject: wtb: Collins 312B-4
Message-ID: <199512262200.RAA27014@marlin.exis.net>

A friend of mine wants to buy a Collins 312B-4. Emblem does not matter.

Please e-Mail to:

awest@infi.net

Lowe Technical Services, USA

E-Mail: loweusa@exis.net
Home Page: <http://www.exis.net/lowe/zts1.htm>

-----x Reply Separator x-----

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: REC4@pge.com (Dick)

Subject: WTD Electrolytic Cap.
Message-ID: <9512261903.AA24003@dns01.pge.com>

Hi all:

I desperately need at least 2 electrolytic capacitors. Equal to Sprague 183-1115-00 as used in the Collins 75-A4.

These are 1-3/8 dia. round, twist type, can type capacitors with values of:

40 - 300
40 - 300
40 - 300

They measure 1-3/8 x 2-1/2 each.

Any leads would be greatly appreciated.

Dick, KB6OZ

From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: Jay Wicklund <jwicklun@halcyon.com>
Subject: RE: WTD Electrolytic Cap.
Message-ID: <Chameleon.951226204552.jwicklun@mycroftxxx.halcyon.com>

Hi Dick, I just received a flyer from Antique Electronic Supply (602) 820-5411 with some special sale items;

included is a twist mount cap with
80 @450, 30 @ 450, 40 @ 350, and 40 @ 150.

its a 1 3/8" diameter, maybe you could make it work....

Merry Christmas.... Jay (KI7RH)

-----Included Message-----

Received: from uro.theporch.com by halcyon.com with SMTP id AA26246

From: REC4@pge.com (Dick)
Subject: WTD Electrolytic Cap.

Hi all:

I desperately need at least 2 electrolytic capacitors. Equal to Sprague

183-1115-00 as used in the Collins 75-A4.

These are 1-3/8 dia. round, twist type, can type capacitors with values of:

40 - 300

40 - 300

40 - 300

They measure 1-3/8 x 2-1/2 each.

Any leads would be greatly appreciated.

Dick, KB6OZ

Name: Jay Wicklund
Addr: 801 Duchess Road
Bothell, WA 98012, U.S.A.
E-mail: Jay Wicklund <jwicklun@halcyon.com>
From boatanchors@theporch.com Tue Dec 26 23:10:12 1995
From: "ROBERT W DOWNS, WA5CAB" <103012.2130@compuserve.com>
Subject: Re: zillion holes--stripping? - BA 383
Message-ID: <951226191025_103012.2130_GHU154-5@CompuServe.COM>

Bob and the group,

You're absolutely correct. A bead blast cabinet is far and away the most practical method to use for totally stripping a cabinet, chassis or panel for refinishing. Chemical strippers work, but different chemicals are required for steel, brass, aluminum, etc. Brush-on paint stripper can be used to save blast time, but tend to leave paint in cracks, corners, and the leeeetle holes, and you have to be prepared to deal with the mess. Dip tanks work great, but in most localities you'll have to have a license just to set one up, and they're expensive even without the legal hassle.

Northern Hydraulics, Harbor Freight, and other civilian surplus outlets have offered cabinets in the past. At one time, Snap-On was selling a line of bead blast equipment, which is where my basic cabinet came from. The rest of the parts came from Sears, Graingers, and general scrounging. The commercial cabinet in use at the company that I work for cost about \$750 ten years ago, not including the air supply (compressor). What one could be built for would depend upon the builder's scrounging ability and what he/she had to start with. Anyone interested in trying should drop me an e-mail and I'll supply more details of what's required. The hardest thing to scrounge is going to be the cabinet itself, however. If you don't own a sheet metal shop, you're probably going to have to buy that outright.

The material that actually does the work is called 'media' in the trade. There are many different media available, from common beach sand to walnut shells. Glass beads (hence 'bead blasting') are probably the best all-around media for radio (and most other) restoration, and have fewer health hazards (silicosis, for example) than some of the others. You still need a dust collection system, however. I use my humongous shop vac.

I'm not interested in doing blasting on a commercial basis, but I could probably be talked into letting someone local come by and use my cabinet, so long as it didn't get out of hand.

73, Robert Downs, WA5CAB
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